

Study of the possibility three-dimensional printing DLP-technology for casting individual neck telescopic implants

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Abstract

© Published under licence by IOP Publishing Ltd. The work is devoted to manufacturing possibility of individual telescopic cervical implants by the casting method for burned-out models obtained on a DLP printer. The ProJet 1200 using possibility for the burned model production of a telescopic cervical implant was studied. The results of the model material influence on the molding mass are obtained. Experimental samples of cervical implants on the Inducast installation are cast. The ineffectiveness of this technology in the manufacture of reticular collapsible telescopic implants is established. The possibility of its application for thick-walled structures is established.

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